3/19/87 A2500-2

Paper Paperboard & Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol. 65 - No. 2 FEBRUARY 1987

PAPER AND PAPERBOARD PRODUCTION -- JANUARY 1987 CONTINUES ALONG RECORD HIGH TRACK

The rate of paper and paperboard production in January and February 1987 continued along the record growth track it has been following since mid-1985. At a seasonally adjusted rate of 73.4 million tons per year, the January 1987 rate just about matched the fourth quarter 1986 average and was 4.4% above its year-ago level. Some of the strength in the fourth quarter of 1986 reflected a change in labor contracts which permitted many mills to remain open during the last two weeks of the year. The seasonal factor used to compute the December 1986 rate was based on the established industry average of about 2 days shutdown for paper and 3 days for paperboard, so that the calculated seasonally adjusted rate overstated the industry's trend position for that month.

Paperboard: While production of paper and paperboard are each running at record high levels, paperboard appears to be following a somewhat steeper growth trend. Paperboard operating rates in the first 6 or 7 weeks of 1987 averaged about 97%, compared to 94% for paper.

The strength in paperboard demand is fairly well distributed among the major market sectors: containerboard and boxboard production for domestic use, and exports (see table on page 3).

The strength in demand for containerboard reflects the heavy demand for corrugated shipping containers. Data for January 1987 indicate that the seasonally adjusted rate of box shipments continued at the record high rate of the last quarter of 1986 (see Industry Data accompanying this report). Production of containerboard for domestic use in January was also helped by an increase in inventory at mills and plants, but even with this increase the level of inventories was equivalent to only 5.4 weeks of supply, which is at the low side of its historical range. This strong demand for these containers bodes well for future production in that consumers - manufacturers of consumers non-durable goods, appliances, and a wide range of packaged industrial products - generally buy these containers a month before their actual use.

Continued on Page 2

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The strong performance in boxboard production reflects a rising trend of demand for folding boxboard, milk cartons and food container stock, a result of relatively high levels of production of consumer non-durable goods -- its major market -- and renewed growth in use of paperboard cartons within these markets.

Paper: Production of paper also continued at the record high rates of the last half of 1986. At a seasonally adjusted rate of 35.9 million tons per year, production was 2.1% ahead of its year-ago level.

For the most part, the gains were in those areas that had been strong during 1986. Specifically, newsprint production gained 6%, coated papers 9%, while uncoated free sheet papers, at 10.7 million tons per year, held close to its year-ago level. Production of specialty and industrial papers in early 1987 showed an unusually sharp gain, rising 14% over its year ago level.

SUPPLY-DEMAND TRENDS

Although the economy turned in a moderate performance last year -- real GNP advanced just 2.5% -- the story with respect to paper was upbeat. Overall production of paper and paperboard, as noted above, grew 6% while new supply (production plus imports less exports) expanded 5.7%, to a record high of 78 million tons. The previous high was set in 1984 at 74.7 million tons.

The growth in paper and paperboard new supply last year lagged that of production because of the stronger growth in exports -- 730,000 tons -- compared to that of imports -- 492,000 tons. The trend in new supply throughout 1986 was upward, with the seasonally adjusted annual rate reaching 80 million tons per year in the fourth quarter. The fourth quarter 1986 rate was 1.6% above that of the third quarter and 6.8% above its year-ago level.

Demand for paper and paperboard usually exhibits a procyclical pattern, meaning that the ratio of new supply to real GNP tends to increase when the economy is expanding briskly and lose ground when the economy slows. However, last year was an exception. Although the economy performed sluggishly, new supply of paper and paperboard grew faster than real GNP the new supply/real GNP ratio increased 2.5% from its depressed 1985 level and moved up to its 1984 peak (see table on bottom of page 10).

Part of last year's strong new supply performance reflected changes in inventory trends. For example, printers reduced inventories during most of 1985, but began rebuilding them again in 1986. Containerboard inventories at mills and box plants showed a moderate decline during 1986, following a much sharper fall in 1985. In 1984, by way of contrast, new supply of paper and paperboard was supported by strong increases in inventories.

Among the paper grade categories, the stongest growth in 1986 was in

Continued on page 11

PAPER AND PAPERBOARD STATISTICS

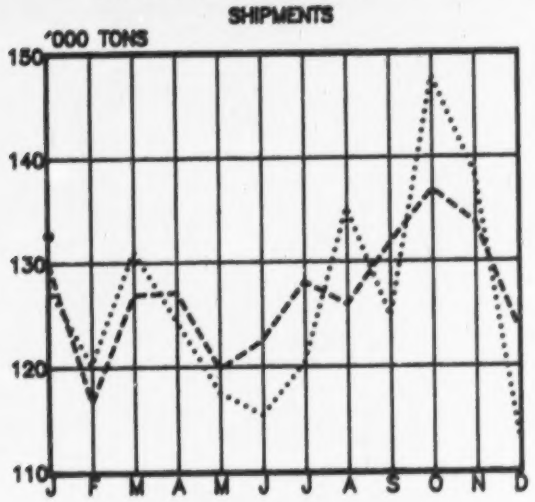
PRODUCTION, SHIPMENTS AND ORDERS
(Thousands of Short Tons)

	YEAR 1985	YEAR 1986	OCT 1986	NOV 1986	DEC 1986 (R)	JAN 1987 (P)	Annual Rate Y-T D 1987	% Change From same Period Last Year
PAPER								
Newsprint - Production	5,428	5 630	469	473	472	490	5.884	5 9
- Shipments	5,417	5,638	481	470	484	471	5,650	10.4
Printing & Writing sum	18.471	19.671	1,764	1.614	1,653	1,707	20.489	2.9
Groundwood Paper - Shipments	1,516	1,523	137	134	124	134	1,613	3.4
- New Orders	1,477	1,548	130	132	122	139	1,674	-0.3
-Unfilled Orders	106	131	132	129	131	125	125	9.1
Coated Papers - Shipments	5.875	6,260	570	535	540	566	6.793	8.7
- New Orders	5,642	6,275	555	507	515	555	6,658	0.5
- Unfilled Orders	393	399	458	434	399	495	495	22.6
Unctd Free Sheet - Shipments	9,750	10,504	939	838	881	893	10,717	0.3
- New Orders	9,704	10,528	922	839	856	864	10.367	-3.8
- Unfilled Orders	509	534	557	554	534	587	587	13.6
Thin Papers - Shipments	262	240	19	16	18	20	241	-16.0
Cotton Fiber Paper - Shipments	144	151	14	12	12	13	159	2.9
Bleached Bristols - Production	924	993	86	80	78	81	966	-1.3
Tissue Paper - Production	4,941	5,083	454	423	410	412	4,938	-5.0
Total Packaging & Other Paper	5,202	5,137	435	417	424	446	5.350	2.2
Unbl. Kraft Paper - Shipments	3,403	3,340	272	263	275	280	3,356	-3.8
Other Paper - Production	1,799	1,796	164	154	149	166	1,993	14.2
TOTAL PAPER-Production-Unadj.	34,042	35,520	3,123	2,926	2,959	3,055	36,660	2.1
-Production-S.A.			2,994	2,977	3.085	2,995	35 941	2.1
PAPERBOARD - PRODUCTION								
Solid Wood Pulp Furnish	25,404	27.359	2,338	2,260	2,334	2,408	28 897	6 9
Total Unbl. Kraft Paperboard	16,368	17,694	1,511	1,457	1,531	1,546	18,548	5.8
Unbl. Kraft Linerboard (1)	15.183	16,390	1,394	1,381	1,434	1,443	17.313	6.6
Production for Export	1,830	2,079	153	180	184	172	2,062	-0.4
Other Unbl. Kraft Paperboard	1,184	1,304	117	76	97	103	1.235	-4.4
Semichemical Paperboard	5,088	5,373	458	454	438	481	5,777	10.4
Production for Export	189	212	17	26	19	16	189	-13.3
Solid Bleached Paperboard	3,948	4,293	368	348	365	381	4,572	7.4
Production for Export	466	513	44	43	44	47	565	50.1
Recycled Paperboard	7,630	8,143	719	691	625	735	8,822	6.2
Production for Export	26	25	3	2	1	2	25	-24.9
TOTAL PAPERBOARD-Prod.-Unadj.	33,034	35,503	3,057	2,950	2,959	3,143	37.719	6.8
- Containerboard Prod.(Dom. Use)	20 042	21,558	1,862	1/813	1,838	1,913	22,955	8 0
- Boxboard Prod.(Dom. Use) (2)	5,673	5,938	518	480	478	552	6,628	8.4
- All Other P'bd Prod.(D.U.) (2),	4.808	5.180	461	406	395	441	5 295	0 7
- Total Paperbd Prod. for Export	2.511	2,827	217	252	248	237	2,841	5.3
TOTAL PAPERBOARD PROD.- S.A.			2,957	2,977	3,340	3,121	37 457	6 8
TOTAL PAPER AND PAPERBOARD								
Production - actual	67 076	71,023	6 180	5,877	5 917	6 198	74,379	4.4
Production - S.A.			5,950	5,954	6,425	6,116	73,397	4.4

(1)Includes all exports of kraft paperboard. R - Revised P - Preliminary S.A. - Seasonally Adjusted
(2)Data for unbl. kraft folding boxboard incl. in All Other P'bd.

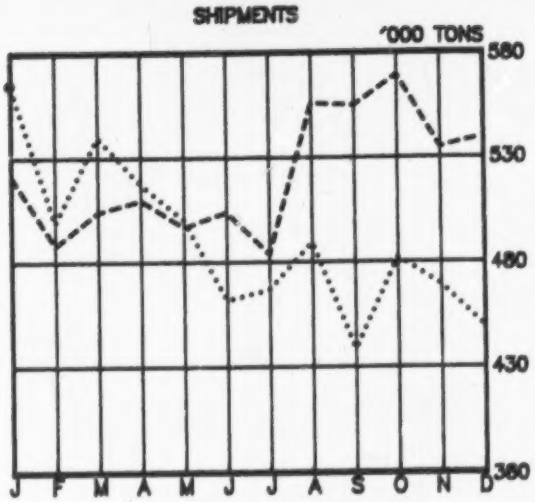
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



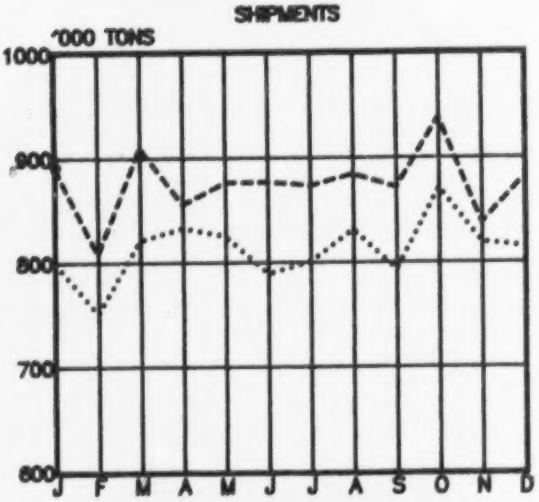
COATED PAPER

SHIPMENTS



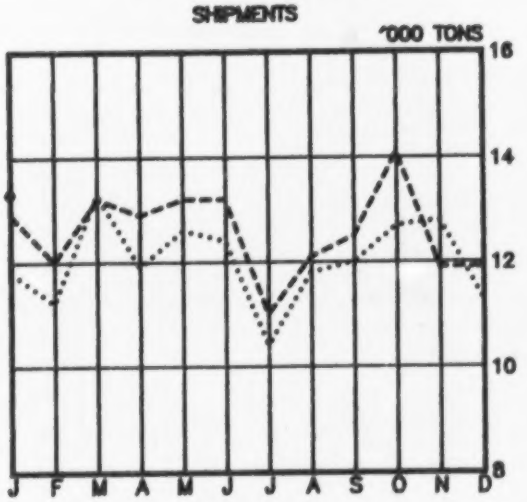
UNCOATED FREE SHEET PAPERS

SHIPMENTS



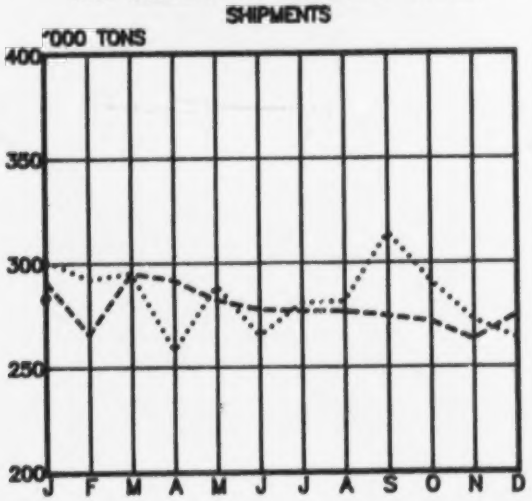
COTTON FIBER PAPER

SHIPMENTS



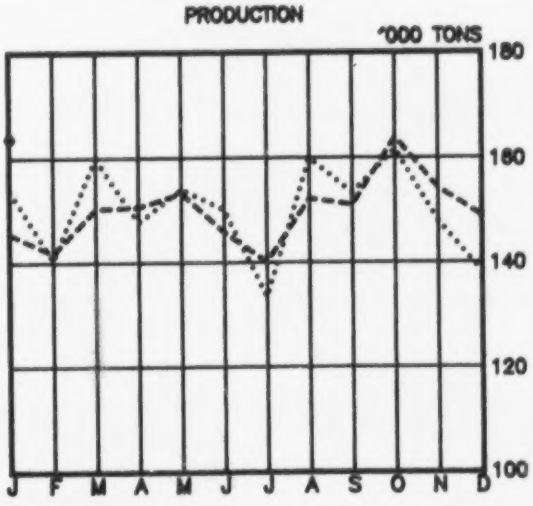
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1985 ..... 1986 ----- 1987 —•—

WOOD PULP STATISTICS
(Thousands of Tons)

	YEAR 1984	YEAR 1985	SEPTEMBER 1986	OCTOBER 1986	NOVEMBER 1986	DECEMBER 1986	Annual Rate Y-T-D 1986	% Change from same Period Last Year
TOTAL WOOD PULP					R	P		
Total Wood Pulp - Production	55,470	54,141	4,662	4,871	4,757	4,901	57,252	5.7
- Imports	4,490	4,466	379	372	467	295	4,582	2.6
- Exports	3,594	3,791	457	344	312	409	4,458	17.6
- New Supply	56,367	54,816	4,584	4,898	4,912	4,787	57,375	4.7
Dissolving Pulp - Production	1,206	1,174	104	98	95	122	1,258	7.2
- Imports	161	175	24	23	19	18	255	45.5
- Exports	595	631	83	61	53	66	711	12.7
- New Supply	772	718	45	60	60	74	801	11.6
Paper Grades - Production	44,690	43,690	3,763	3,942	3,854	3,972	46,316	6.0
Chemical Pulp - Imports	4,023	4,104	343	342	443	271	4,220	2.8
- Exports	2,945	3,131	370	279	252	340	3,689	17.8
- New Supply	45,767	44,662	3,736	4,006	4,046	3,902	46,847	4.9
Groundwood and - Production	5,506	5,251	457	481	464	470	5,545	5.6
Thermo-Mech. - Imports	306	187	12	7	5	7	108	-42.6
- Exports	54	29	4	5	7	2	59	102.2
- New Supply	5,758	5,409	464	483	461	474	5,594	3.4
Semi-Chemical Production	4,069	4,027	338	350	345	338	4,133	2.6
- Imports								
- Exports								
- New Supply	4,069	4,027	338	350	345	338	4,133	2.6
MARKET WOOD PULP								
Total Market - Production	6,898	6,800	627	590	647	692	7,571	11.3
Wood Pulp - Imports	2,968	2,791	270	261	245	213	3,048	9.2
- Exports	3,511	3,784	404	328	295	481	4,472	18.2
- New Supply	6,355	5,807	492	523	597	424	6,147	5.8
Dissolving Pulp - Production	1,205	1,171	104	95	95	122	1,249	6.6
- Imports	204	174	21	16	13	18	212	21.7
- Exports	690	666	69	52	49	84	718	7.7
- New Supply	718	679	56	59	58	56	743	9.4
Paper Grades - Production	5,680	5,605	522	494	552	570	6,312	12.6
Chemical Pulp - Imports	2,664	2,531	241	241	229	192	2,754	8.8
- Exports	2,821	3,117	335	276	246	398	3,754	20.5
- New Supply	5,523	5,019	428	459	535	365	5,311	5.8
Groundwood Pulp - Production	14	24	1	1	1	0	10	-58.8
and All Other - Imports	100	86	7	4	2	4	83	-3.7
- Exports	1	1	0	0	0	0	0	0.0
- New Supply	114	109	9	5	4	4	93	-14.9

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp Division, Pulp, Materials and Technology Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.

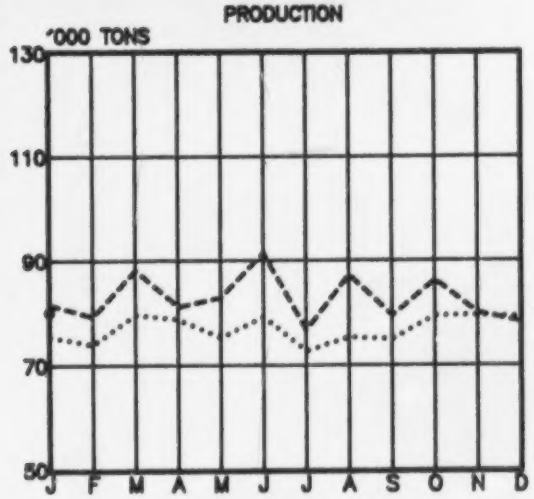
FIBROUS RAW MATERIALS
(Thousands of tons)

CONSUMPTION AT PAPER & PAPERBOARD MILLS					R	P		
Total	70,488	68,561	5,941	6,206	6,118	5,982	72,413	5.6
Total Wood Pulp	54,562	53,274	4,561	4,786	4,720	4,643	55,834	4.8
Waste Paper	15,926	15,290	1,380	1,419	1,398	1,339	16,579	8.5
INVENTORIES								
Chemical Paper Grade Market Pulp								
Producers' Own-Use Inventories	174	164	186	176	175	166	166	1.0
Producers' Market Inventories	585	486	303	292	353	282	282	-41.9
Consumers' Purchased Inventories	545	492	558	527	538	0	0	-100.0
Waste Paper at Paper & Bd. Mills	1,053	967	877	948	893	948	948	-1.9
Days of Supply at Pulp Mills of Chemical Paper Grade Mkt Pulp	42	30	17	16	21	16	16	-46.7

SOURCES: Wood Pulp Data, Pulp Division, Pulp, Materials and Technology Group, API. Waste Paper Data, Paper Recycling Committee, API.
P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons

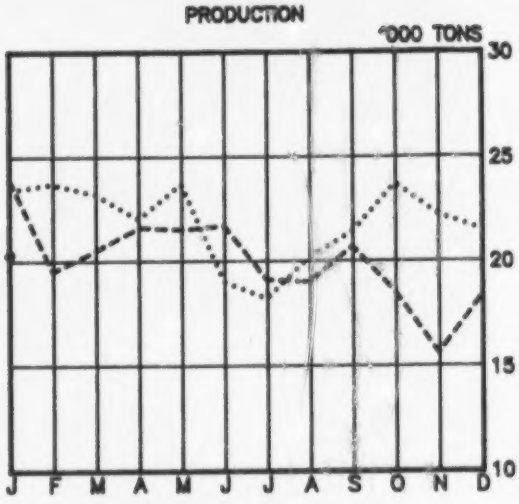
BLEACHED BRISTOLS

PRODUCTION



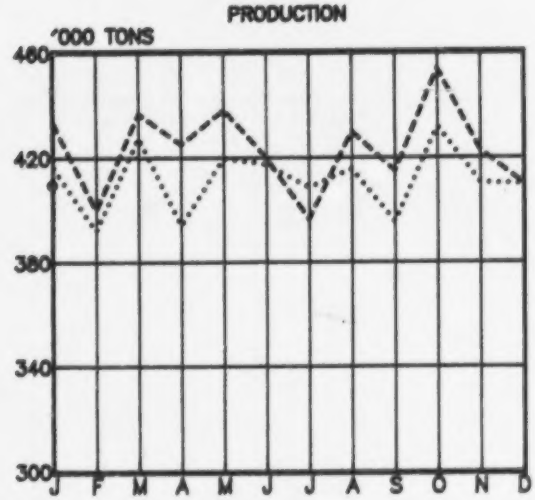
THIN PAPER

PRODUCTION



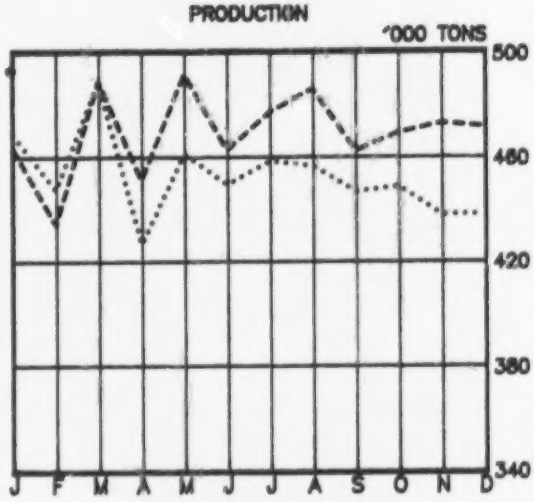
TISSUE PAPER

PRODUCTION



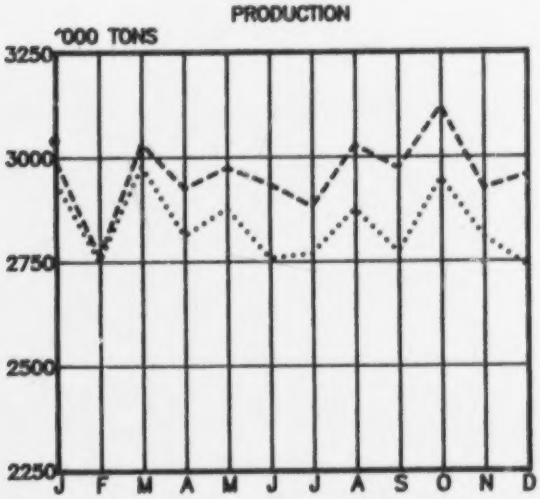
NEWSPRINT

PRODUCTION



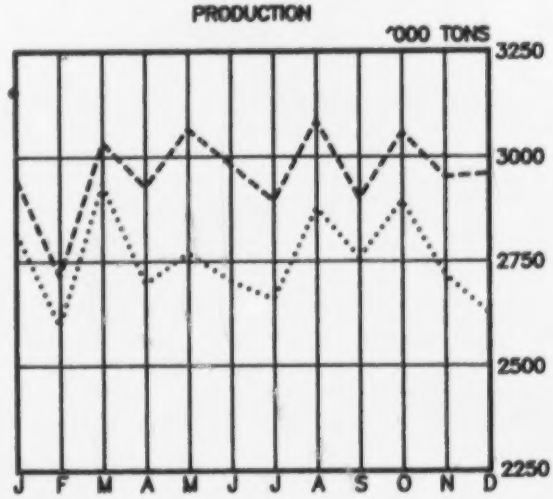
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1985 ····· 1986 -----1987 ——

F I B R O U S R A W M A T E R I A L S
(Thousands of Standard (128 cubic foot) Cords)

		YEAR 1984	YEAR 1985	SEPTEMBER 1986	OCTOBER 1986	NOVEMBER 1986	DECEMBER 1986	Annual Rate Y T D 1986	% Change from Same Period Last Year
PULPWOOD									
Total U S	Total Receipts	88876	85499	7493	8247	7228	7639	90943	6 4
	- Total Consumpt	87646	85744	7362	7779	7681	7795	91434	6 6
	Residues *	32072	30464	2642	3068	2478	2562	32755	7 5
	- Inventories	5574	5046	4970	5501	4909	4794	4794	-5.0
So Atlantic	- Total Receipts	27654	27589	2436	2594	2349	2516	29513	7 0
	- Total Consumpt	27344	27815	2372	2465	2419	2537	29425	5.6
	Residues *	8198	7970	755	889	763	760	9343	17 2
	- Inventories	1444	1117	1037	1187	1060	994	994	-11.0
Northeast	- Total Receipts	7665	7430	589	688	592	636	7277	-2 1
	- Total Consumpt	7474	7394	533	637	586	599	7227	-2.3
	Residues *	1501	1539	118	136	112	106	1419	-7 8
	- Inventories	590	544	411	447	447	484	484	-11.0
South Central	- Total Receipts	30693	29786	2694	2785	2572	2685	31790	6 7
	- Total Consumpt	30502	29914	2612	2610	2785	2806	32113	7.4
	Residues *	9059	9207	834	882	788	834	9792	6 4
	- Inventories	1304	1198	1107	1288	1051	926	926	-22.7
North Central	- Total Receipts	6872	6430	522	631	515	595	6571	2 2
	- Total Consumpt	6563	6296	557	549	576	559	6730	6 9
	- Residues *	1472	1290	88	97	75	87	1042	-19 2
	- Inventories	906	884	818	868	820	892	892	0.9
West	- Total Receipts	15992	14264	1252	1549	1196	1207	15792	10.7
	- Total Consumpt	15763	14325	1288	1518	1315	1294	15939	11.3
	- Residues *	11842	10458	847	1064	740	775	11159	6.7
	- Inventories	1330	1303	1597	1711	1531	1498	1498	15.0

* Consumption of Residues in Cord equivalence SOURCE American Pulpwood Association 24 Feb 87

U N I T E D S T A T E S T R A D E W I T H C A N A D A

IMPORTS FROM CANADA

	YEAR Tons	1985 $000's	NOVEMBER Tons	1986 $000's	DECEMBER Tons	1986 $000's	Annual Rate Y T D 1986	% Change from Same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	21.604	2.462	2,073	160	121	24	59.490	175 4
Pulpwood Chips	788.486	21.955	102.267	4.010	42.021	986	723.257	-8.3
Wood Pulp, Total	4.020.736	1,385 871	396.571	156 731	257 370	99 832	3.949 414	-1 8
Waste Fibrous Materials, Total	144.564	26 371	13.620	2,460	10,375	1,561	157.870	9.2
Paper, Board & Products Total	9.734 523	4 306 694	943.369	436 673	711 778	328 738	9 963 486	2 4
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd.	9 640 776	4 184 985	930 636	417 808	703 753	316 058	9 842 454	2 1
Paper Paperboard & Products	9,380.235	4.215 314	921,889	432,215	698,331	324.921	9.715.710	3.6
Paper & Paperboard, Only	9 286 488	4,073.606	909.156	411.462	690.306	312 241	9 594 378	3.3
Paper, Total	9,132.128	4,030.872	887,168	405,014	672.495	307,198	9,367,380	2.6
Newsprint	8 117 986	3 496 944	767 032	340 684	578 093	257 738	8 269 333	1 9
Printing, Writing & Rel. Pap.	841 500	435,561	97,202	52,634	76,260	40,079	868.628	3.2
Pack. & Ind. Conv. Paper	124,100	64 640	17 871	8 085	13 925	6 089	182 481	47.0
Special Industrial Paper	3 463	5.393	388	662	815	1,073	4,766	37.6
Tissue Paper	45.081	28 334	4.674	2.950	3.603	2 219	42.473	-6.5
Paperboard, Total	154.360	42,734	21,988	6,448	17,810	5,043	226.998	47.1
Convtd Paper&Paperbd Products	93.747	141.708	12,733	20.753	8 025	12 680	121.332	29.4
Wet Machine Board	2.184	1.481	314	212	139	96	2,332	6.8
Construction Paper & Board	352.104	89 898	21,166	6 134	13.308	3 721	245 444	-30.3

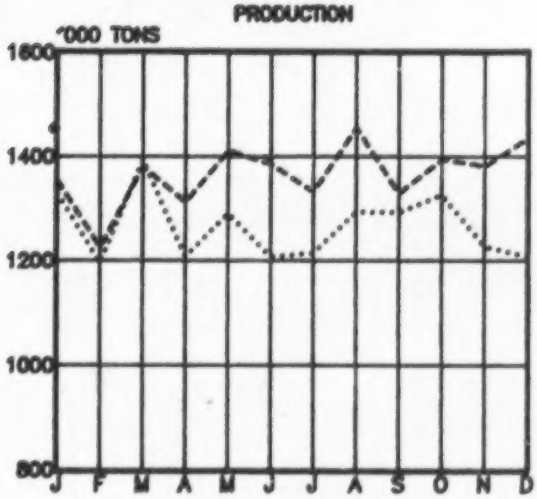
EXPORTS TO CANADA

Pulpwood, Roundwood (in cords of 128 cubic feet)	49 611	2 925	9 035	292	1 841	109	39 191	-21 0
Pulpwood Chips	82 626	4,780	57 583	2,811	42,560	2,312	262 844	218.1
Wood Pulp Total	203 934	79 541	21.294	6 310	19 638	6 290	262 353	28.6
Cotton Pulp & Other Pulp	15 083	6 252	3.855	1.186	2,996	813	33,629	123.0
Waste Paper	209.087	23 249	20 048	2 016	24 588	2 230	226 215	8 2
Paper, Board & Products, Total	736.140	485.290	59.224	38.846	62 385	39.267	846.141	14 9
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd.	579 768	333 614	46 903	26 506	49 656	26 986	691 355	19 1
Paper, Paperboard & Products	710 785	473.839	56.388	37.526	60,341	38,191	816,282	14.8
Paper & Paperboard, Only	554.413	322.162	43 167	25 187	47 612	25 910	661 496	19 3
Paper Total	271 754	223.971	19,597	16.376	26.368	16.963	278 911	2.6
Newsprint	3.757	3.276	443	447	1 078	808	6 040	60 8
Printing, Writing & Rel. Pap.	133.800	118,625	10.742	8,482	10,392	7.963	121,167	-9.4
Pack. & Ind. Conv. Paper	41 327	23 536	2,143	1 463	1 701	1 115	25 614	-38.0
Special Industrial Paper	90.071	74,893	5,944	5,675	13,052	6,830	122 874	36.4
Tissue Paper	2.799	3 641	326	308	144	248	3 217	14 9
Paperboard, Total	282.658	98,191	23,570	8,811	21,244	8,948	382 584	45.4
Convtd Paper&Paperbd Products	156 372	151.676	13.221	12,339	13.729	12.280	154.786	-1 0
Wet Machine Board	5.786	4,243	1,015	535	894	514	10,728	85.4
Construction Paper & Board	19.570	7.209	1,820	785	1,150	562	19.132	-2 2

SOURCE: Bureau of Census, Department of Commerce . E - Estimate of tonnage based on square foot data 24-Feb-87

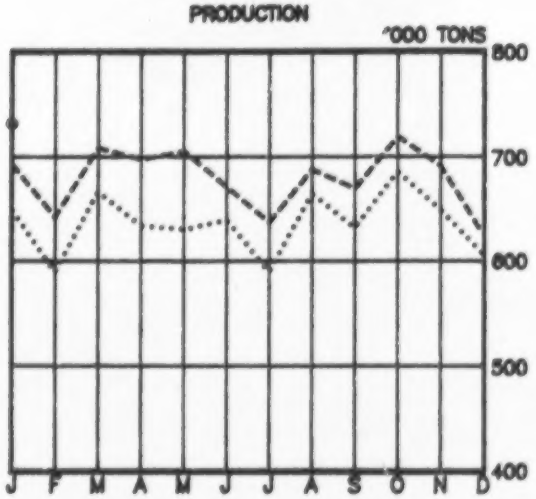
UNBLEACHED KRAFT LINERBOARD

PRODUCTION



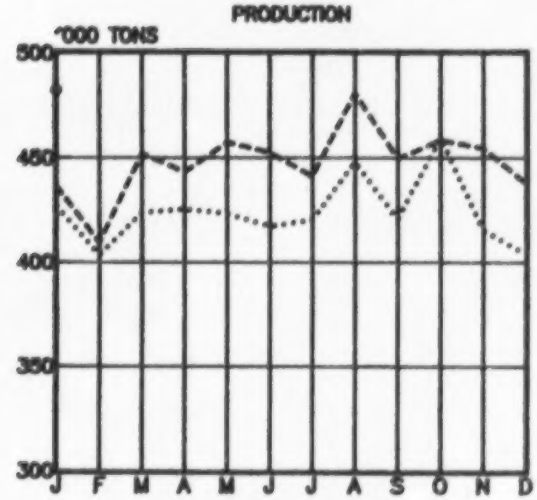
RECYCLED PAPERBOARD

PRODUCTION



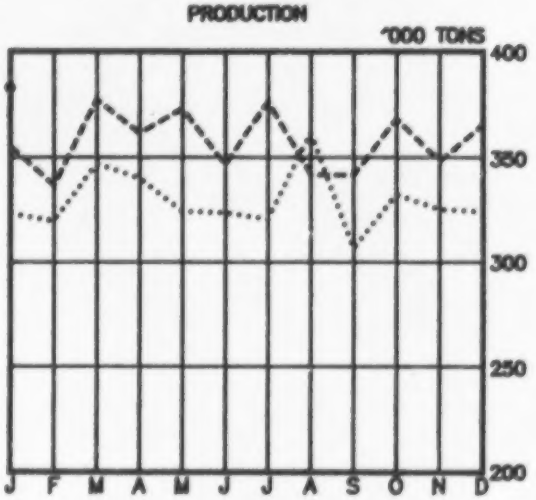
SEMICHEMICAL PAPERBOARD

PRODUCTION



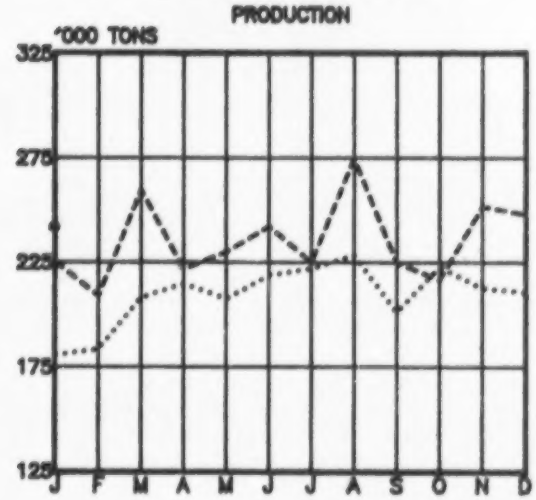
SOLID BLEACHED PAPERBOARD

PRODUCTION



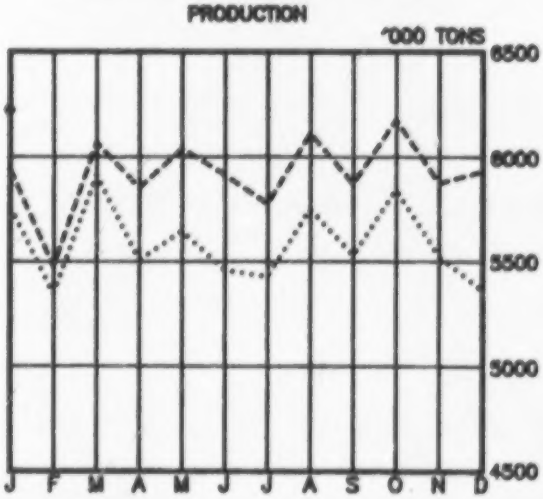
PAPERBOARD FOR EXPORT

PRODUCTION



TOTAL PAPER AND PAPERBOARD

PRODUCTION



1985 ····· 1986 - - - - - 1987 —•—

I M P O R T S

	YEAR 1985 Tons	YEAR 1985 $000	1986 NOVEMBER Tons	1986 NOVEMBER $000	1986 DECEMBER Tons	1986 DECEMBER $000	(1) Annual Rate YTD 1986 Tons	% Change from same Period Last Year
Pulpwood Roundwood (cords)	31,755	2,606	2,203	171	251	36	60,850	91.6
Pulpwood Chips	789,382	22,006	102,338	4,016	42,062	992	724,828	-8.2
Total All Imports	16,156,209	7,255,817	1,646,923	800,055	1,162,189	562,413	16,722,494	3.5
Wood Pulp Total	4,465,746	1,520,907	467,045	182,653	295,433	115,108	4,581,760	2.6
Waste Paper	87,413	10,160	9,134	1,218	8,243	1,009	99,313	13.6
Other Fibrous Materials	81,430	26,949	5,749	2,040	5,921	1,303	104,969	28.9
Paper Board & Products Total	11,521,619	5,697,802	1,164,995	614,144	852,592	444,993	11,936,452	3.6
Paper Paperboard Wet Machine Bd. & Construction Paper & Board	11,238,094	5,074,482	1,123,956	529,526	822,857	386,624	11,546,545	2.7
Paper Ppbd & Prds ex Cnst&WMB	11,105,154	5,586,077	1,133,628	604,931	832,659	439,049	11,596,808	4.4
Paper & Paperboard Only	10,821,629	4,962,757	1,092,589	520,313	802,925	380,680	11,206,901	3.6
Paper Total	10,637,428	4,906,882	1,064,259	510,981	774,557	371,466	10,925,453	2.7
Newsprint	8,496,568	3,638,716	791,043	350,056	593,681	263,726	8,587,507	1.1
Printing & Writing	1,912,867	1,116,225	243,703	142,296	153,273	89,806	2,029,302	6.1
Uncoated Groundwood	1,027,211	530,619	132,365	69,790	69,349	34,393	1,028,231	0.1
Coated Print.& Impreg. Pap.	496,072	363,855	59,441	41,790	42,010	30,213	501,382	1.1
Uncoated Free Sheet	364,848	198,432	47,417	26,915	39,381	22,963	453,638	24.3
Uncoated Book	200,927	106,586	22,220	12,655	18,614	10,551	223,798	11.4
Writing and Similar Paper	163,921	91,846	25,197	14,259	20,767	12,412	229,841	40.2
Thin (except Cigarette)	23,712	22,276	4,419	3,746	2,484	2,180	45,351	91.3
Bristols	1,024	1,043	62	35	50	59	700	-31.6
Total Pkg & Other Paper	172,003	116,390	24,522	14,956	20,779	13,261	242,571	41.3
Unbleached Kraft Paper	63,604	23,976	11,468	4,565	9,809	3,817	115,008	80.8
Other Pkg. & Indust. Paper	108,398	92,414	13,055	10,391	10,971	9,445	127,562	17.7
Tissue	55,991	35,551	4,991	3,673	6,824	4,672	66,073	18.0
Paperboard, Total	184,201	55,875	28,330	9,331	28,368	9,214	281,448	52.8
Test or Containerboard	50,975	16,848	7,793	2,537	6,101	2,019	78,063	53.1
Semi-Chemical Corrugating	65,203	13,706	9,586	2,178	9,598	2,309	99,062	51.9
Other Paperboard	68,023	25,321	10,951	4,617	12,669	4,887	104,324	53.4
Convtd Paper&Paperbd Products	283,525	623,320	41,039	84,619	29,734	58,369	389,907	37.5
Paper Products, Total	258,934	572,316	38,142	78,286	27,837	54,578	361,517	39.6
Paperboard Products, Total	24,592	51,004	2,897	6,333	1,897	3,791	28,390	15.4
Wet machine Board	3,270	2,585	353	339	202	174	3,235	-1.1
Construction Paper & Board	413,196	109,140	31,014	8,874	19,730	5,770	336,409	-18.6
Notes								
Other: No Weight Avail. ($000)		228,219		22,173		15,007	212,338	-7.0
Total Imports Incl. Other($000)		7,484,036		822,228		577,420	7,887,074	5.4

E X P O R T S

							(1)	
Pulpwood, Roundwood (cords)	51,765	3,037	9,035	292	1,841	109	42,190	-18.5
Pulpwood Chips	2,116,137	168,814	222,221	15,172	308,005	21,201	2,428,333	14.8
Total All Exports	11,261,281	4,042,068	1,053,359	401,086	1,189,659	442,291	13,196,245	17.2
Wood Pulp,Total	3,791,102	1,352,708	312,106	130,377	409,243	168,524	4,458,312	17.6
Cotton Pulp and Other Pulp	107,224	71,802	9,208	4,978	14,039	5,217	157,452	46.8
Waste and Old Paper	3,285,926	349,258	327,960	39,062	312,062	35,884	3,748,711	14.1
Paper, Board & Products,Total	4,077,029	2,268,300	404,085	226,669	454,315	232,666	4,831,770	18.5
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	3,586,119	1,588,157	356,943	167,090	404,166	178,116	4,305,273	20.1
Paper, Ppbd & Prod ex Cnst&WMB	4,008,221	2,228,594	395,827	221,915	446,432	227,895	4,737,726	18.2
Paper & Paperboard, Only	3,517,311	1,548,451	348,685	162,336	396,284	173,344	4,211,231	19.7
Paper, Total	779,000	594,338	82,814	57,151	84,119	56,249	883,661	13.4
Newsprint	314,385	131,379	47,541	21,335	41,595	20,741	392,228	24.8
Printing & Writing	202,836	201,845	16,622	16,529	16,195	16,143	190,656	-6.0
Uncoated Groundwood	36,779	31,727	3,472	2,633	3,210	2,571	40,847	11.1
Clay Coated Paper	82,461	65,710	6,804	5,039	6,395	4,535	78,248	-5.1
Uncoated Free Sheet	64,573	77,929	4,007	6,371	4,917	6,944	50,140	-22.4
Other Printing & Writing	19,013	26,479	2,339	2,486	1,673	2,093	21,420	12.7
Total Pkg. & Other Paper	243,671	242,909	16,751	16,998	25,313	17,956	284,021	16.6
Unbleached Kraft	67,695	29,931	4,900	2,185	5,529	2,150	78,248	15.6
Other Pkg. & Indust. Paper	175,976	212,978	11,851	14,813	19,784	15,806	205,773	16.9
Tissue	18,116	18,205	1,900	2,289	1,016	1,409	16,758	-7.5
Paperboard, Total	2,738,310	954,113	265,872	105,184	312,165	117,096	3,327,568	21.5
Solid Wood Pulp	2,492,746	872,281	247,350	97,711	290,280	108,521	3,007,372	20.6
Total Linerboard	1,807,151	680,909	174,650	57,749	216,547	70,087	2,195,951	21.5
Bleached Kraft Linerboard	130,359	45,687	10,615	4,379	5,149	2,759	133,787	2.6
Unbleached Kraf. Linerbd	1,676,791	635,222	164,035	53,371	211,398	67,328	2,062,164	23.0
Other Unbleached Kraft	100,651	41,053	14,017	5,367	18,531	5,388	157,614	56.6
Other Bleached Kraft	523,091	335,026	52,284	32,589	48,914	30,097	577,166	10.3
Semi-Chemical Corrugating	61,853	15,293	6,400	2,005	6,288	1,950	76,644	23.9
Recycled Paperboard	245,564	81,833	18,521	7,474	21,884	8,574	320,196	30.4
Convtd Paper&Paperbd Products	490,910	680,143	47,142	59,579	50,149	54,550	526,497	7.2
Paper Products, Total	237,191	464,174	22,402	40,043	21,135	34,592	240,171	1.3
Paperboard Products, Total	253,719	215,970	24,741	19,536	29,014	19,959	286,327	12.9
Wet Machine Board	13,380	6,930	1,681	768	1,379	698	18,893	41.2
Construction Paper & Board E	55,429	32,776	6,577	3,987	6,503	4,073	75,149	35.6
Notes								
Other: No Weight Avail. ($000)		6,618		528		567	7,298	10.3
Total Exports Incl. Other($000)		4,048,687		401,614		442,857	4,702,003	16.1

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.
(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES
1967 = 100

	1985	1986	OCTOBER 1986	NOVEMBER 1986	DECEMBER 1986	JANUARY 1987	Annual Rate Y-T D 1986	% Change From same Period Last Year
Pulp, Paper and Products except Building Grades	292.0	293.9	299.3	300.6	300 6	303.4	303.4	5.3
Pulp Paper & Products, ex. Building Grades & ex Waste Paper *	294.5	296.0	300.9	302.2	302.4	305.2	305.2	5.0
Total Wood Pulp	346.6	358.4	374.7	379.2	387.4	397.1	397.1	19.0
Total Paper	303.4	306.3	310.5	312.8	313.4	315.2	315.2	4.6
Total Paper, exc. Newsprint	298.8	300.4	304.3	305.2	307 0	309.0	309.0	4 6
Newsprint	332.9	326.1	333.6	333.5	333.6	340.5	340.5	5.1
Total Paperboard	274.6	272.2	280.9	281.7	278.7	286.0	286.0	8.1
Total Paper and Paperboard *	294.4	289.4	301.2	303.0	302.5	306.0	306.0	5.6
Converted Products	288.1	289.3	292.8	293.7	294.1	295.8	295.8	3.5
Waste Paper	148.8	172.8	207.0	204.6	192.4	194.6	194.6	50.7
All Commodities	308.9	299 8	298 3	298.7	298.1	300.9	300.9	-2.6
Industrial Commodities	324.0	312.1	309.3	309.8	309.3	313.6	313.6	-3.2

SOURCE: Producer Price Indexes, Bureau of Labor Statistics, U.S. Department of Labor * Computed by API

PAPER AND PAPERBOARD NEW SUPPLY

	Production	Imports	Exports	New Supply	Real GNP $ Bill (1982 Prices)	NS/Real GNP Ratio
	-------- Thousand Tons Per Year--------					
1976	54,994	7,042	3,388	58 648	2,826.7	20.75
1977	56,656	7 294	3,171	60,779	2,958.6	20.54
1978	58.571	8.781	3,301	64,051	3,115.2	20.56
1979	61,070	8,738	3,610	66,198	3,192.3	20.74
1980	60 976	8,304	5,148	64 134	3,187.2	20.12
1981	62,113	7,941	4,561	65,493	3,248.7	20.16
1982	59,326	7,603	4,187	62,742	3,166 0	19.82
1983	65.015	8.509	4.501	69.023	3,279.1	21.05
1984	68.450	10,576	4.309	74.717	3 489 9	21.41
1985						
I	67.536	11.233	3.932	74.837	3 547 0	21.10
II	65.487	11.088	4.067	72.508	3.567.6	20.32
III	67.142	10.932	4.081	73.993	3 603.8	20.53
IV	68.139	11,168	3,953	75,354	3,622.3	20.80
Average	67 076	11,105	4.008	74,173	3.585.2	20.69
1986						
I	69,217	11,378	4,506	76.089	3.655.9	20.81
II	70,142	10.989	4,770	76,361	3.661.4	20.86
III	71.543	12,163	4 841	78.865	3.686.4	21.39
IV	73.191	11,857	4,833	80,215	3,702.4	21.67
Average	71.023	11.597	4,738	77.882	3,676.5	21.18

Source: Production: American Paper Institute
Imports and Exports: Bureau of the Census, Department of Commerce
Real Gross National Product (Real GNP): Bureau of Economic Analysis, Department of Commerce
New Supply and NS/Real GNP Ratio: American Paper Institute calculations

the printing and writing papers. New supply of these papers spurted 7.2% last year, following a 0.5% increase in 1985. New supply of most of the other grades of paper declined from 1984 to 1985.

Domestic shipments of printing-writing papers rose by a slightly slower 6.5% in 1986, resulting from a strong 11.7% growth in imports. Demand for printing-writing papers is being paced by office and computer print-out papers and high-grade publication grades. Although growth of real advertising expenditures quickened from 0.7% in 1985 to 2.4% in 1986, real ad revenues of consumer magazines remained approximately stable last year and advertising pages sagged 1%.

New supply of newsprint registered a 1.3% increase in 1986, following a 0.9% advance in 1985. Domestic shipments of newsprint increased by a stronger 3.7% in 1986, because of a sharp deceleration in import growth (from 3.1% in 1985 to just 0.5% last year). Nominal newspaper advertising revenues increased 7% last year, but rate hikes suggest that real gains were in the 1-2% range.

New supply of tissue papers expanded 3.4% in 1986, following a 0.9% gain the previous year; packaging and other papers continued to lose ground in 1986 owing to inroads by plastic merchandise bags and Tee shirt sacks.

New supply levels for the major paperboard grades were up sharply in 1986, following setbacks in 1985. As a result of strong demand for corrugated boxes and other packaging products in 1986, new supply of unbleached kraft paperboard advanced 7.0%, to 15.7 million tons, after retrenching 3.8% in 1985. The 1985 level, however, was held down by the sharp reductions in inventories at boxplants noted earlier. Nonetheless, the 1986 total was 4.0% above the previous high established in 1984, a year, as noted above, of inventory building.

Declines in new supply during 1985 were also followed by rebounds for semichemical paperboard and bleached paperboard. In both cases, the 1986 level moved above the previous high established in 1984. The bleached kraft paperboard ratio of new supply to real GNP also moved above its 1984 average even with the rather large increase in exports. Recycled paperboard new supply was slightly above its 1984 level in 1985, and moved further upward in 1986, bringing new supply/real GNP ratio above its 1984 level, to reach its highest level since 1979.

SALES AND EARNINGS

Sales and earnings of paper and allied products companies followed a strong upward trend during 1986 in line with the increases in production and prices. Fourth quarter 1986 sales of 30 companies reported in the press rose, on average, by 24% from their year-ago level, while after tax profits gained 36%. However, part of the gain in the reported sales total resulted from the effects of some mergers by several companies that did not restate their earlier profits. At the same time, the after-tax profit figures were reduced by the effects of the changes in the tax laws as well by sizable write-offs of discontinued business by some of the other companies.

Continued on Page 12

For 1986 as a whole, these companies showed a 9.4% gain in sales, and a 15% gain in after-tax profits, resulting in a small increase in their after-tax margins.

MATERIAL COMPETITION IN PACKAGING MARKETS

Packaging markets are characterized by dynamic competition, much of which stems from technological change. In many past instances, such as the replacement of glass milk bottles by paperboard cartons and the displacement of wooden vegetable crates by corrugated boxes, the paper industry captured new markets. In other cases, fibre-based packaging products have lost ground to plastics and bulk shipping.

Plastics have been a growing factor in several markets important to paper and paperboard. Plastics account for more than half of all bags used in the nongrocery retail sector, and since 1980, have also gained a presence in the grocery sack market. One trade publication recently reported that about 80,000 short tons of polyethylene resins were used to make plastic Tee shirt sacks last year, up from about 21,000 tons in 1981. Domestic production of plastic Tee shirt sacks is reportedly being supplemented by imports from Taiwan, Brazil, Hong Kong, Korea, and Israel.

Although the end-use distribution of Tee shirt sacks cannot be accurately determined, many are probably used by nonfood retail stores as well as by food stores. Some Tee shirt sacks are also being used by grocery stores, but kraft paper grocery sacks have thus far retained their dominance of this important end-use market. Owing to their self-supporting structure, paper grocery sacks can be packed more rapidly than plastic sacks, and are consequently more cost-effective to use. Also, because they are semi-rigid in structure, 1/6 barrel kraft sacks can hold more items than plastic sacks of the same nominal size.

Paperboard milk containers are also facing competition from plastics, but the rate of displacement is decelerating. After declining four percentage points during the previous two year period, paperboard's share of the fluid milk market fell just one percentage point between 1983 and 1985, to 37%. One likely reason for the deceleration in market share loss is that plastic jugs, which have already captured virtually all of the gallon market, must now compete in the half-gallon size, where paperboard is the more cost-effective material.

Other areas where fibre containers are vying for market share with plastics include the oil can market, where composite cans are being displaced by plastic bottles, and the disposable cup market. Although paper cups have suffered some displacement at the hands of plastics, growing use of other single service containers for fast food applications (e.g., chicken tubs) have had a positive influence on bleached board demand. As a result, overall usage of bleached board for cups, food containers, and lids expanded from 416,400 tons in 1984 to 438,000 tons in 1985 and 478,000 tons last year.

It's important to point out that fibre and plastics are not in competition in all areas. In many cases, plastics has been successfully combined with paper and paperboard to produce more effective products. Resin coated milk containers and film-lined multiwall sacks are products where plastics and paper function synergistically. Aseptic packages, which combine paperboard, plastics and metal foil, are another such example.

February 27, 1987

	Full Year		INDUSTRY DATA 1986 - 1987			Ann. Rate Year - To Date	% From Same Pd. Last Year
			R	R	P		
PAPER AND PAPERBOARD -- Tons (000)	1985	1986	November	December	January	1986	
Total Production (API).....: excluding :...	67,076	71,023	5,877	5,918	6198	74,376	4.4
Total Seasonally Adjusted.....construction:...			5,954	6,425	6116	73,394	4.4
Imports (including Products).: and wet :..E	11,106	11,597	1,134	833	970	11,640	3.6
Exports (including Products).: machine :..E	4,009	4,738	396	446	410	4,920	13.4
Apparent Consumption.....: grades :...	74,173 a	77,882 b	6,615	6,304	6 758	80,114 c	3.8
Paper Production % Tonnage Capacity.....	90.6 g	93.2 g	92.0	89.4	92.0	93.3 gn	-
Paperboard Production % Tonnage Capacity.....	90.0 g	94.6 g	94.2	90.7	96.2	97.2 g	-
			October	November	December		
IMPORTS.....:Including Construction and :...	11,521	11,936	1,028	1,165	853	N.A.	N.A.
EXPORTS.....: WMB Grades (excl. HPB) ...	4,077	4,832	375	404	454	N.A.	N.A.
			October	November	December		
MARKET WOOD PULP PRODUCTION - Tons (000).....	6,800	7,571	590	647	692	N.A.	N.A.
TOTAL WOOD PULP PRODUCTION - Tons (000).....	54,141	57,252	4,871	4,757	4,901	N.A.	N.A.
WOOD PULP IMPORTS - TONS (000).....	4,466	4,582	372	467	295	N.A.	N.A.
WOOD PULP EXPORTS - TONS (000).....	3,791	4,458	344	312	409	N.A.	N.A.
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS : excluding :			October	November	December		
Wood Pulp.....:consumption for:.....	53,274	55,834	4,786	4,720	4,643	N.A.	N.A.
Waste Paper.....:construction & :.....	15,290	16,578	1,419	1,398	1 339	N.A.	N.A.
TOTAL.....: WMB grades :.....	68,584	72,413	6,207	6,118	5,982	N.A.	N.A.
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	85,744	91,434	7,779	7,681	7 795	N.A.	N.A.
EMPLOYMENT (000)			November	December	January		
Paper and Allied Products.....Total.....	683.2	690.0	695.5	696.8	693.1	693.1	1.4
Pulp, Paper and Board Mills.....Total.....E	253.5	252.2	252.3	253.2	251.0	251.0	-0.6
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products.....	10.82	11.14	11.17	11.24	11.22	11.22	1.8
Pulp, Paper Mills.....E	13.11	13.58	13.69	13.70	13.68	13.68	2.5
Paperboard Mills.....E	13.60	14.02	14.04	14.26	14.15	14.15	2.2
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1986 Q3	1986 Q4	1987 Q1		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	8.59	8.89	8.68	9.19	8.45	8.19 y	-7.9
INDEX OF OUTPUT PER MAN-HOUR (1977=100).....			November	December	January		
:IN PULP, PAPER :...Production Workers.....	127.3R	134.7	136.1	145.9	139.4	139.4	5.4
:AND BOARD MILLS:...All Employees.....	126.2R	134.2	135.3	145.1	138.6	138.6	4.7
PAPER AND ALLIED PRODUCTS (Million $)			October	December	January		
Industry Shipments (Dept. of Commerce)*.....	97,664	109,582	9,397	9,489	9762	117,144	12.4
Pulp, Paper and Paperboard*.....	41,830	46,632	4,086	3,998	4359	52,308	18.2
Inventories (End of Period) - Total Industry*..	9,728	10,250	9,962	10,040	10429	10,429	6.4
Pulp, Paper and Paperboard*.....	3,800	4,078	3,917	3,993	4147	4,147	5.3
			1985 Q1	1986 Q2	1986 Q3		
Sales (Corporations Only).....	71,465	73,265 k	17,575	18,470	18904	N.A.	N.A.
Earnings (Corporations Only).....	2,880	3,113 k	589	922	824	N.A.	N.A.
Depreciation (Corporations Only).....	3,099	3,341 k	820	843	843	N.A.	N.A.
Net Worth (Corporations Only).....	29,694	31,075 m	30,033	30,646	31075	N.A.	N.A.
PRICE INDEXES (Bureau of Labor Stats)1967=100			November	December	January		
Pulp, Paper & Products, ex. Building Grades....	292.0	294.0	300.6	300.6	303.4	303.4	5.3
Wood Pulp.....	346.6	358.3	379.2	387.4	397.4	397.1	19.0
Waste Paper.....	148.8	172.8	204.6	192.4	194.6	194.6	50.7
Paper.....	303.4	306.3	312.8	313.4	315.2	315.2	4.6
Paperboard.....	274.6	272.2	281.7	278.7	286.0	286.0	8.1
PAPER DEMAND (INDEXED: 1977=100)			November	December	January		
Total Paper Production *.....	123.0	128.4	129.0	134.2	129.7	129.7	2.1
Paper New Supply *.....	128.8	133.9	139.[illegible]	133.5	134.4	134.4	1.4
Demand Indicators - (Weighted Average) *.....	141.6	148.8	152.0	152.2	153.3	153.3	4.7
Production of Nondurable Goods *...(21.2%).	125.3	130.9	132.8	133.5	134.5	134.5	4.0
Disposable Income .....*.(23.9%)	126.8	131.4	131.2	131.5	131.6	131.6	2.6
Total Printing and Publishing *...(54.9%).	154.3	163.4	168.5	168.5	170.0	170.0	5.7
Trend Factor	----------	----------	---------- Not Available ----------			----------	----------
PAPERBOARD DEMAND (INDEXED: 1977=100)							
Total Paperboard Production *.....	114.3	122.9	123.4	138.4	129.4	129.4	6.8
Production for Domestic Use	112.8	120.8	120.5	136.8	127.6	127.6	6.9
Demand Indicators - (Weighted Average) *.....	120.1	122.1	122.9	123.9	124.5	124.5	1.6
Production of Consumer Goods *...(62.06%)	120.5	124.5	125.4	127.1	127.8	127.8	3.2
Production of Equipment *...(5.75%)	146.4	142.9	143.4	143.0	143.7	143.7	-2.6
Production of Materials *...(32.19%)	114.5	113.8	114.4	114.4	114.6	114.6	-0.8
Trend Factor	----------	----------	---------- Not Available ----------			----------	----------
NEWSPRINT MARKETS			October	November	December		
Consumption by Publishers - Tons (000).....	12,773	13,171	1,199	1,187	1,128	N.A.	N.A.
Newspaper Pub. and Printing Empl. Total(000)...	454	461	464	464	466	N.A.	N.A.
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (PIB, Inc.).....	155,545	153,171	14,901	15,781	13,914	N.A.	N.A.
WHOLESALERS SALES AND INVENTORIES (Million $)(j)							
Total Paper & Pap. Prdcts.,ex Wallpaper..Sales	34,635	38,533	3,504	3,097	3,422	N.A.	N.A.
Inventories (End of Period).	3,155	3,351	3,179	3,208	3,351	N.A.	N.A.
FIBRE BOX DATA (Fibre Box Association)			November	December	January		
Fibre Box Shipments (Million square feet).....	267,451	283,620	21,488	22,030	24,700	296,496	0.7
Container'bd Inventory at Mill & Plant(000Tons).	2,549	2,186	2,138	2,186	2 311	2,311	-7.6
RETAIL TRADE (Million $)			October	November	January		
Total Retail Sales *.....	1,372,853	1,445,220	121,062	126,590	119,272	1,431,264	1.6
Nondurable Goods Stores Sales *.....	859,316	882,506	74,043	74,753	74,727	896,724	2.1
GENERAL ECONOMIC DATA			November	December	January		
TOTAL INDUSTRIAL PRODUCTION (INDEX 1977 = 100)*..	124.2	125.1	126.0	126.4	126.9	126.9	0.6
PRODUCER PRICES(ALL COMMODITIES)(INDEX 1967=100).	308.7	299.8	298.7	298.1	300.9	300.9	-2.6
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)...	322.2	328.4	330.8	331.1	331.1	331.1	0.8
			October	November	December		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $)..	543.2	603.2	594	598	603	N.A.	N.A.
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billion$)..			1986 Q2	1986 Q3	1986 Q4		
G.N.P. or Expenditure - Current $.....	3998.1	4208.5	4175.6	4240.7	4268.4	N.A.	N.A.
G.N.P. or Expenditure - 1982 $.....	3585.2	3676.5	3661.4	3686.4	3702.4	N.A.	N.A.

lb/capita

Pap&Papbd	Othr	Totl	Popul(mil)
.a - 620 + 18	=	638	239.3
.b - 642 + 17	=	659	241.5
.c - 655 + 17	=	672	244.5

.e - estimated by API

f - Wood Pulp Production excludes def., explo. & scrngs.
g - Adjusted for holiday shutdowns
h - Adjusted to Conform with API Division data
j - Census unpublished data; standard dev. = 6 - 8%
Q - Quarter
m - End of September
R - Revised
y - Full year estim. by U.S. Dept. of Com.
k - First 3 quarters, annual rate
* - Seasonally Adjusted.

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

FEBRUARY 25, 1987

PRODUCTION (000 TONS)

	JANUARY	DECEMBER	JANUARY	% CHANGE	FULL YEAR		% CHANGE FULL YEAR
	1987	1986	1986	JAN87/JAN86	1986	1985	1986/1985
PAPER GRADES							
Newsprint	490	472	463	5.9	5 630	5.428	3.7
Printing & Writing	1,707	1,653	1,659	2.9	19,671	18,471	6.5
Uncoated Groundwood (s)	134	124	130	3.4	1,523	1,516	0.5
Coated Paper (s)	566	540	521	8.7	6,260	5,875	6.6
Uncoated Free Sheet Paper (s)	893	881	890	0.3	10 504	9 750	7.7
Thin Paper (s)	20	18	24	-16.0	240	262	-8.5
Cotton Fiber Paper (s)	13	12	13	2.9	151	144	4.7
Bleached Bristols (s)	81	78	82	-1.3	993	924	7.4
Tissue Paper	412	410	433	-5.0	5 083	4 941	2.9
Total Pkg & Other Paper	446	424	436	2.2	5,137	5,202	-1.3
Unbleached Kraft Packaging & Indl. Converting (s)	280	275	291	-3.8	3 340	3 403	-1.8
Other Paper	166	149	145	14.2	1 796	1 799	-0.1
TOTAL PAPER	3 055	2 959	2 992	2.1	35 520	34 042	4.3
PAPERBOARD GRADES							
Unbleached Kraft Paperboard	1,546	1,531	1 461	5.8	17 6 4	16 368	8.1
Unbleached Kraft Linerboard	1,443	1,434	1,353	6.6	16,390	15 183	8.0
Other Unbl. Kraft Paperboard	103	97	108	-4.4	1 304	1 184	10.1
Semichemical Paperboard	481	438	436	10.4	5,373	5,088	5.6
Bleached Paperboard	381	365	355	7.4	4 293	3 948	8.7
Recycled Paperboard	735	625	692	6.2	8,143	7,630	6.7
TOTAL PAPERBOARD	3,143	2,959	2 944	6.8	35 503	33 034	7.5
TOTAL PAPER AND PAPERBOARD	6,198	5,917	5,936	4.4	71,023	67,076	5.9

WOOD PULP (ALL GRADES)	DECEMBER 1986	NOVEMBER 1986	DECEMBER 1985	FULL YEAR 1986	FULL YEAR 1985	FULL YEAR 1986/1985
Dissolving & Special Alpha	122	95	93	1258	1174	7.2
Bleached Sulfite	115	112	111	1401	1364	2.7
Unbleached Sulfite	24	13	15	175	196	-10.7
Bleached & Semi-Bl. Sulfate	2061	2044	1857	24122	22626	6.6
Unbleached Sulfate	1773	1685	1572	20618	19504	5.7
Semichemical	338	345	328	4133	4027	2.6
Groundwood & Thermomechanical	470	464	408	5545	5251	5.6
TOTAL PULP DIVISION DATA	4901	4757	4385	57252	54141	5.7

(s) - Shipments